Abstract

The present invention provides for a method for mapping MPLS packets over Synchronous Digital Transport Networks (SDH/SONET) or Optical Transport Networks (OTN) via GFP mapping layer, through a modified PPP protocol without the LCP and NCP protocols for negotiation. In the modified PPP protocol the MPLS or IP packets are inserted, and then the GFP header is added. In order to map the modified PPP over GFP a new UPI (User Paylod Identifier) value is defined in the GFP Core header.